CLASSIFICATION CONFIDENTIAL CENTRAL INTELLIGENCE AGENCY 50X1-HUM REPORT INFORMATION FROM FOREIGN DOCUMENTS OR RADIO BROADCASTS CD NO. COUNTRY USSR DATE OF INFORMATION **SUBJECT** 1952 Economic; Technological - Precision instrument HOW DATE DIST. 1 JUNE -954 **PUBLISHED** Monthly periodical WHERE **PUBLISHED** Moscow NO. OF PAGES DATE **PUBLISHED** Dec 1952 SUPPLEMENT TO LANGUAGE Russian REPORT NO. NO 794. OF THE U.S. CORE, AS AMENDED. ITS TRANSMISSION OR RE Affilm of ITS CUNTENTS TO OR RECEIPT BY AN UNAUTHORIZED PERSON THIS IS UNEVALUATED INFORMATION SOURCE Stanki i Instrument, No 12, pp 21, 22 FRACTIONAL-MICROMEASURING INSTRUMENT 50X1-HUM The fractional-micromeasuring instrument (dolemikronnyy izmeritel') is designed on the principle of mechanical magnification. The simple system makes it possible to obtain a magnification of 10,000 without any appreciable errors due to a loss in linked mechanisms. The range of measurement on the scale of the instrument is ± 2 microns with a total scale length of 40 millimeters. Therefore, the graduation can easily be set at 0.1 micron in a division interval of 1 millimeter. The scale of the instrument is not uniform. The measuring pressure of the instrument is 40-50 grams. 50X1-HUM

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